

ABSTRACT

Anode Monitoring and subsea pipeline power transmission

5 An anode monitoring system for monitoring the integrity
of anodes 2 provided on a metallic structure such as a
pipeline system 1. A signal circuit S_n including the
pipeline 1 and one of the anodes 2 is set up and
appropriate signals are looked for at a central station
10 4. Reception of the signal at the central station 4 is
dependent on the integrity of the anode 2 under
inspection at that time.. If the anode 2 is missing or
defective the expected signal is not received and thus
the fault in the anode 2 can be detected. A notch filter
15 5 is inserted in series between each anode 2 and the
pipeline 1. The filter 5 provides a high impedance which
can be signalled across but does not interfere with the
cathodic protection system.

20 Figure 1